



p7.5tk

7.5 k promoter

Not I Apa I

GGCCAAAATTGAAAACCTAGATCTATTATTGACACGCGGCGCGCCCATG GGC CCG GCC GCC AAC GGC GGA

Met Gly Pro Ala Ala Asn Gly Gly

tk coding sequence



pE/Ltk

synthetic E/L promoter

Not I Apa I

GGCCAAAATTGAAAATTTTATTTTGGATATATAAGCGGCGCGCCCATG GGC CCG GCC GCC AAC GGC GGA

Met Gly Pro Ala Ala Asn Gly Gly

tk coding sequence



FIG. 1



1. p7.5tk

7.5K PROMOTER NOTI APAI
5'-GGCCAAAATTGAAAACTAGATCTATTATTGCACGGCGGCCCATGGGCCCCGGCC-3'

2. p7.5/ATG0/tk

7.5K PROMOTER NOTI BAMHI SMAI PSTI
5'-GGCCAAAATTGAAAACTAGATCTATTATTGCACGGCGGCCGTGGATCCCCGGGCTGCAGGAA

	TRANSLATION	TRANSCRIPTION
SALI	STOP CODONS	STOP SIGNAL
TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGGCCCTAACTAAATTGTTTGTGT		

APAI

GGGCCCCGGCC-3'

FIG. 2A



3. p7.5/ATG1/tk

	START	
7.5K PROMOTER		CODON BAMHI SMAI PSTI
5'-GGCCAAAATTGAAAAGTAACTAGATCTATTATTGACGGCGCGCCATG		GTGGATCCCCCGGGCTGCAGGAA

	TRANSLATION	TRANSCRIPTION
SALI	STOP CODONS	STOP SIGNAL
TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGCCCTAACTAAATTTGTTTGT		

APAI

GGGCCCCGGCC -3'

FIG. 2B



4. p7.5/ATG2/tk

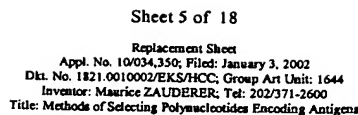
7.5K PROMOTER	NOTI	START	CODON	BAMHI	SMAI	PSTI
5'- GGCCAAAATTGAAAACTAGATCTATTATTGACGGCGGCCcCATGAGTGGATCCCCGGGCTGCAGGAA						

SALI	TRANSLATION	TRANSCRIPTION
TTCGATATCAAGCITTATCGATACCGTCGACCTCGAGGGGGGCCCTAACTAAATTTGTTTGT	STOP CODONS	STOP SIGNAL

APAI

GGGCCCCGGCC -3'

FIG. 2C



START

NOTI

CODON

BAMHI SMAI

PSTI

5'- GGCCAAAATTGAAAACTAGATCTATTTATTGCACGGCGCCcATGACgtGGATCCCCCGGGCTGCAGGAA

SALI

TRANSLATION

TRANSCRIPTION

STOP CODONS

STOP SIGNAL

TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGCCCTAACTAAATTGTTTGT

APAI

GGGCCGCC-3'

FIG. 2D

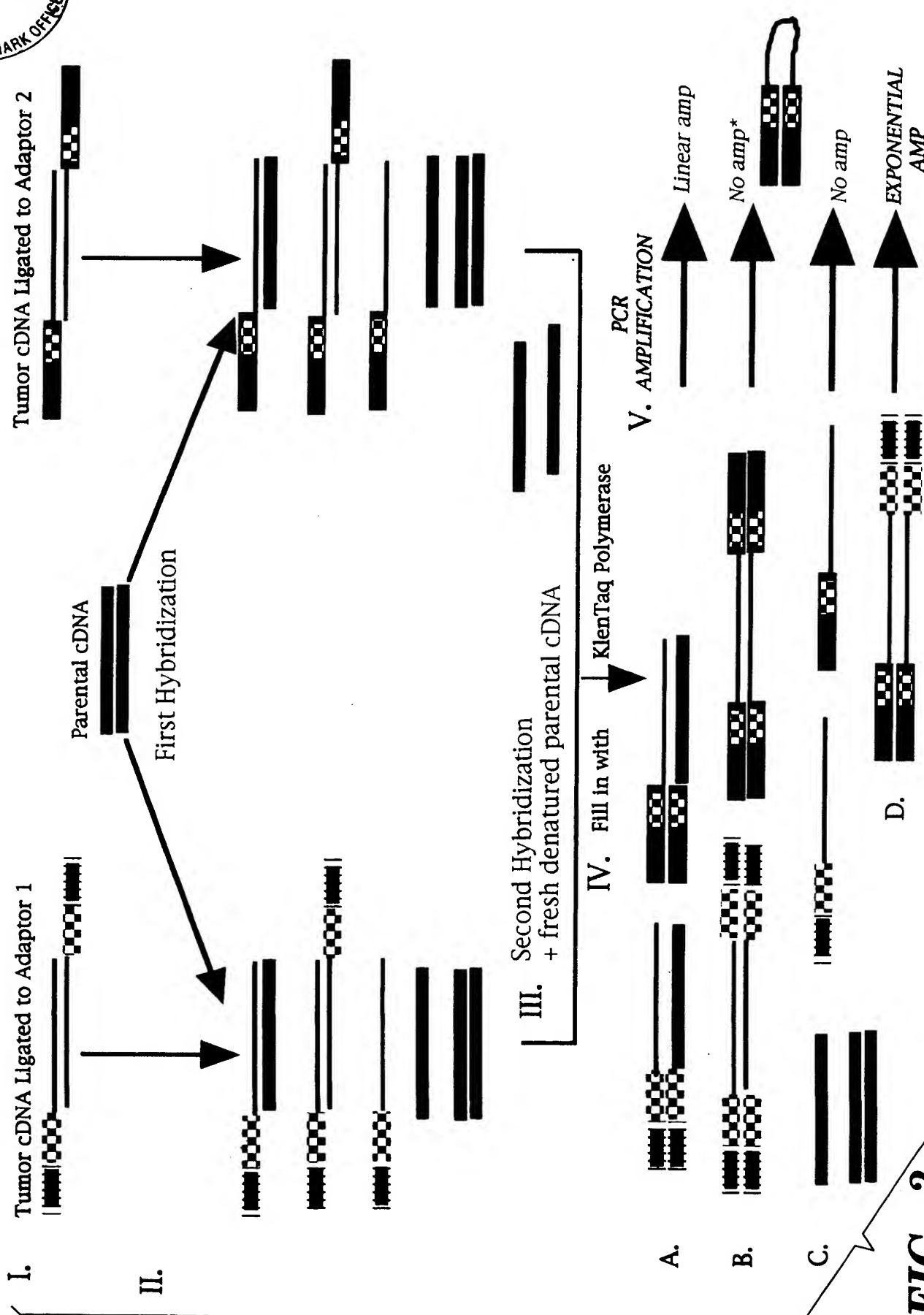


FIG. 3

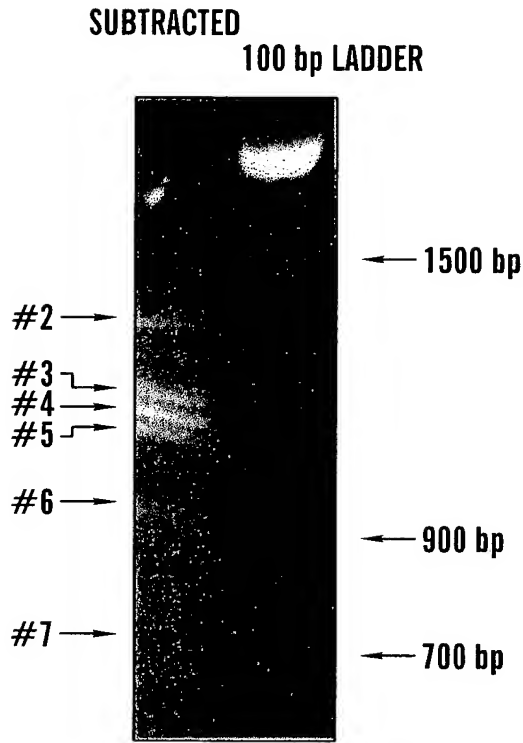


FIG. 4

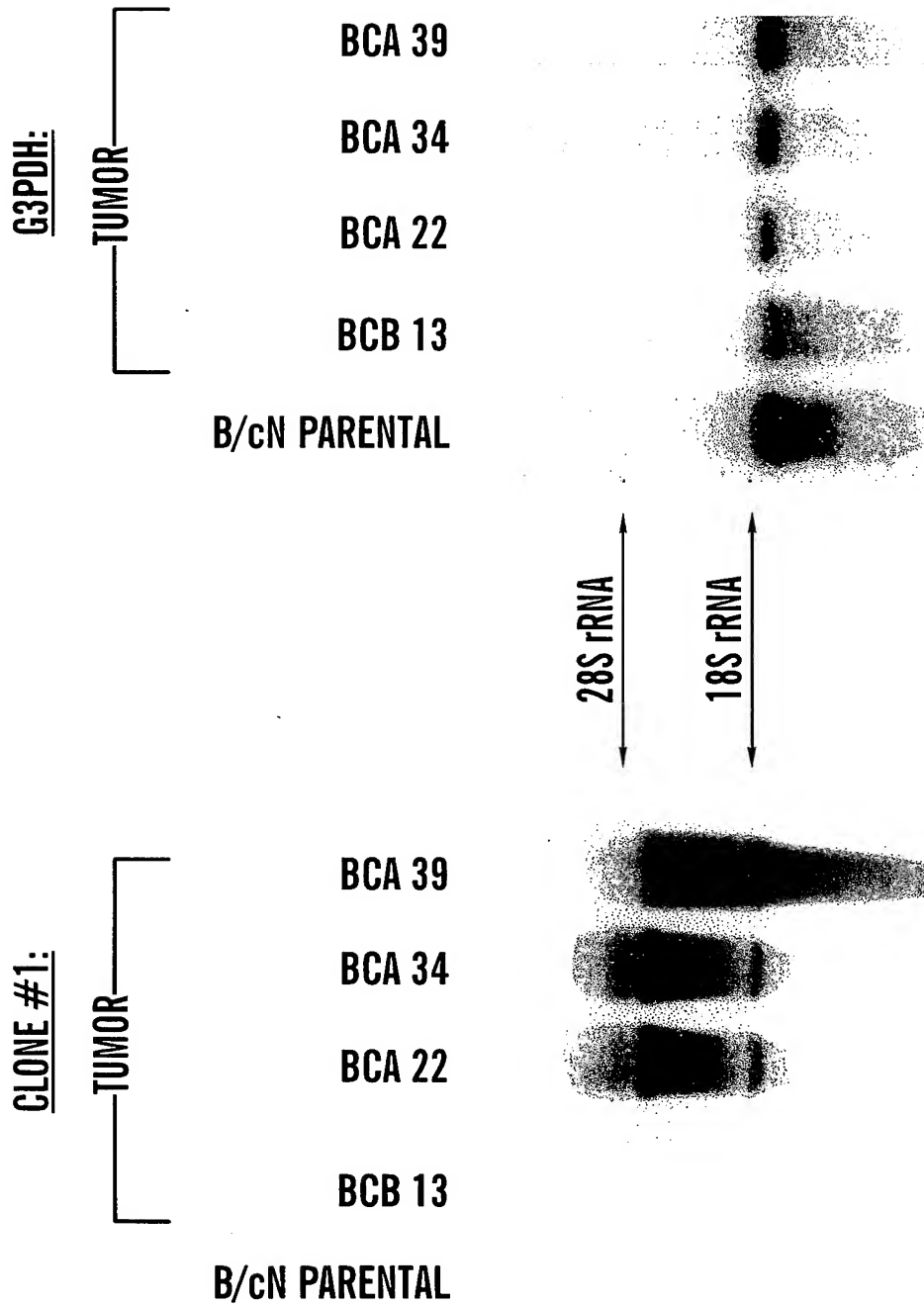


FIG. 5

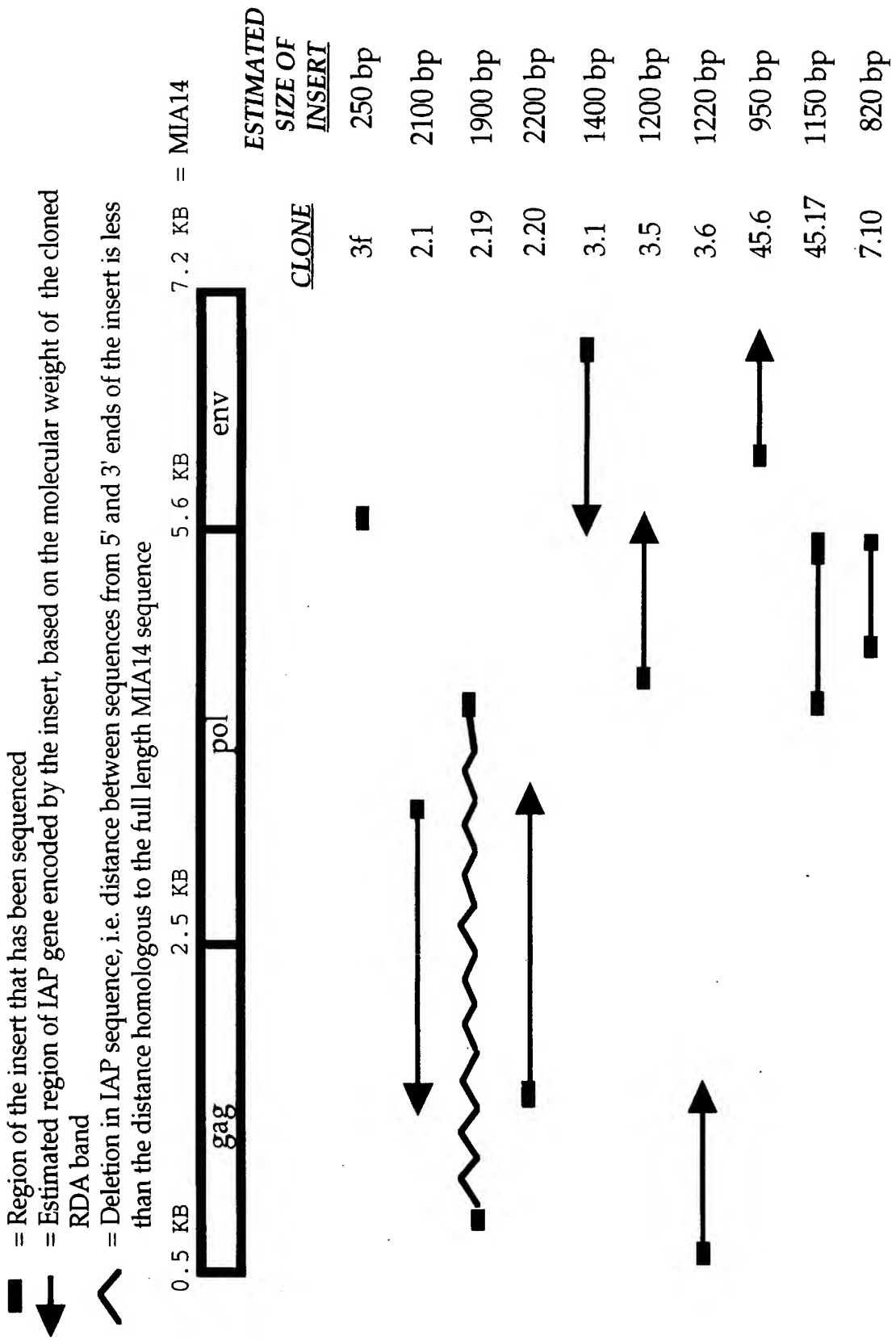


FIG. 6

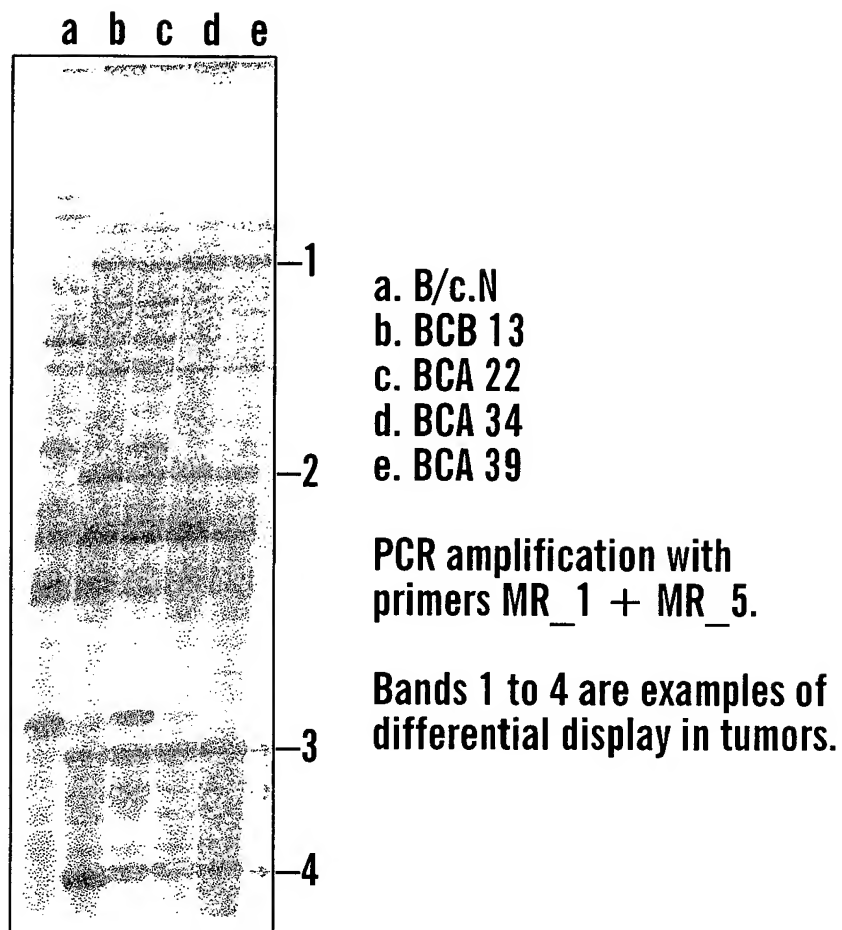


FIG. 7

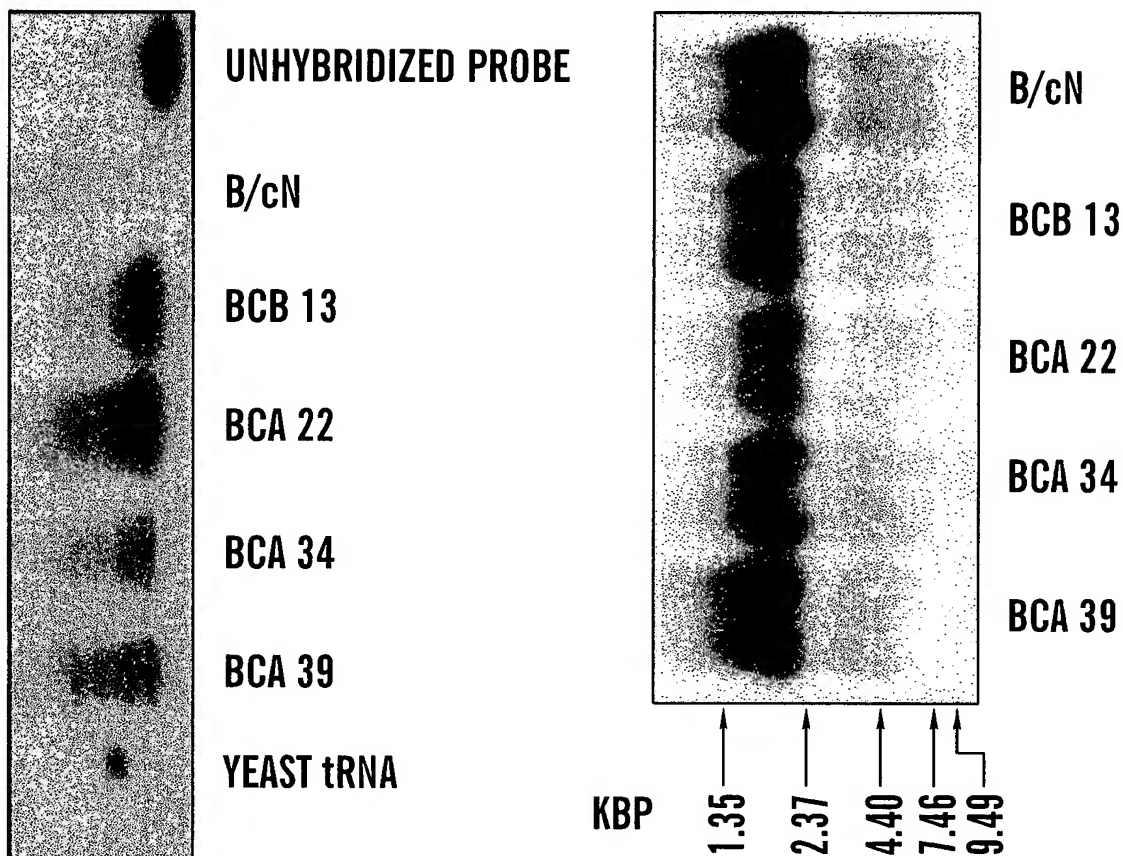
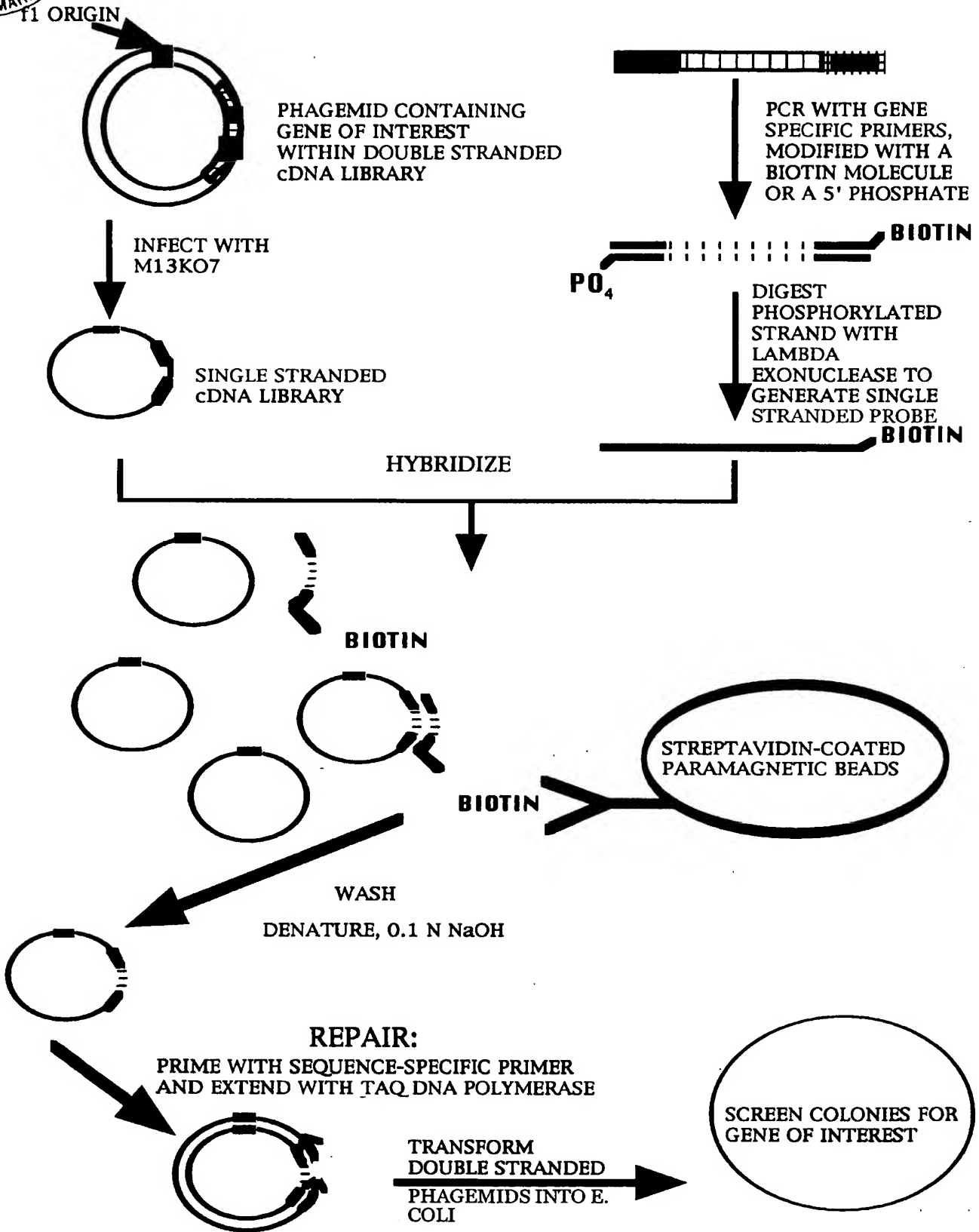


FIG. 8A

FIG. 8B





Apal

NotI

λ WR WR vEL v7.5 vNotI/tk WR vEL v7.5 vNotI/tk

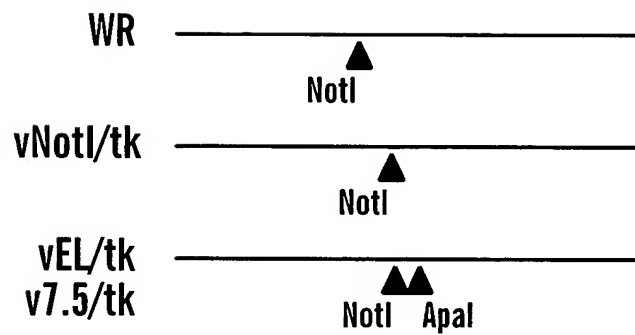
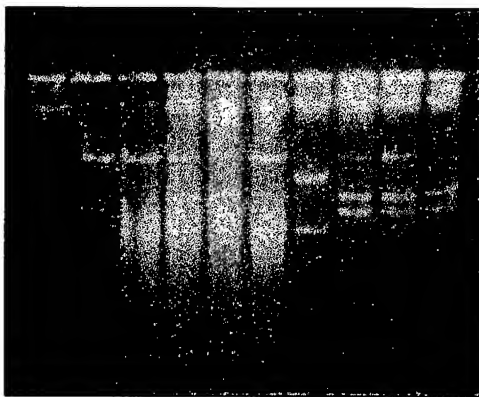


FIG. 10

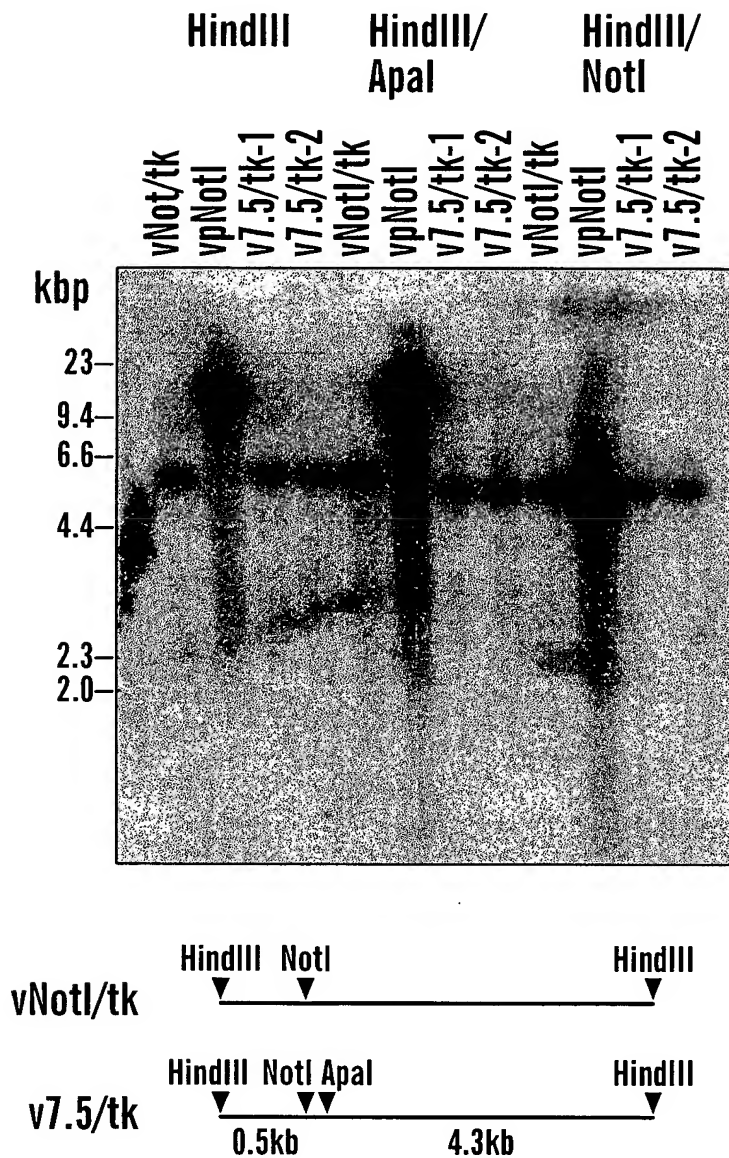


FIG. 11A

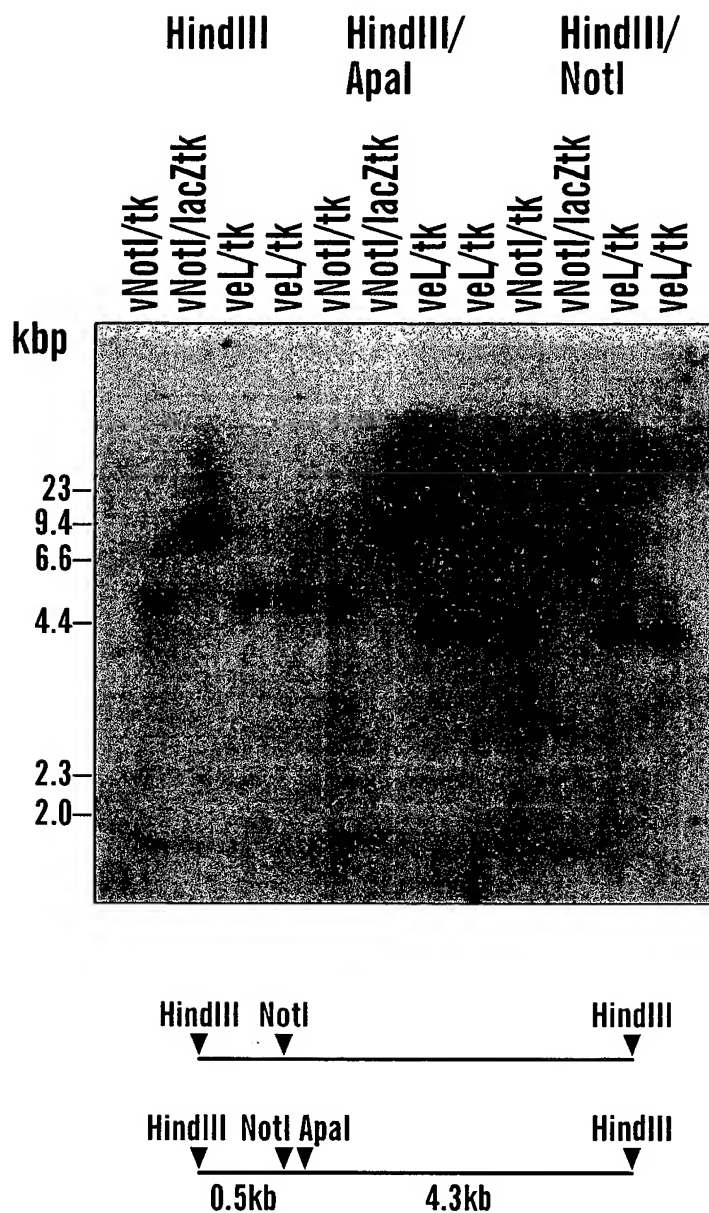


FIG. 11B

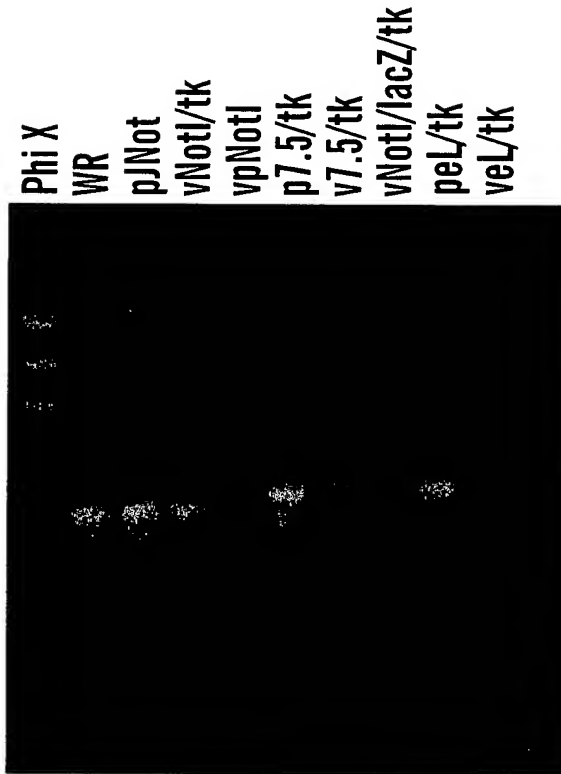


FIG. 12

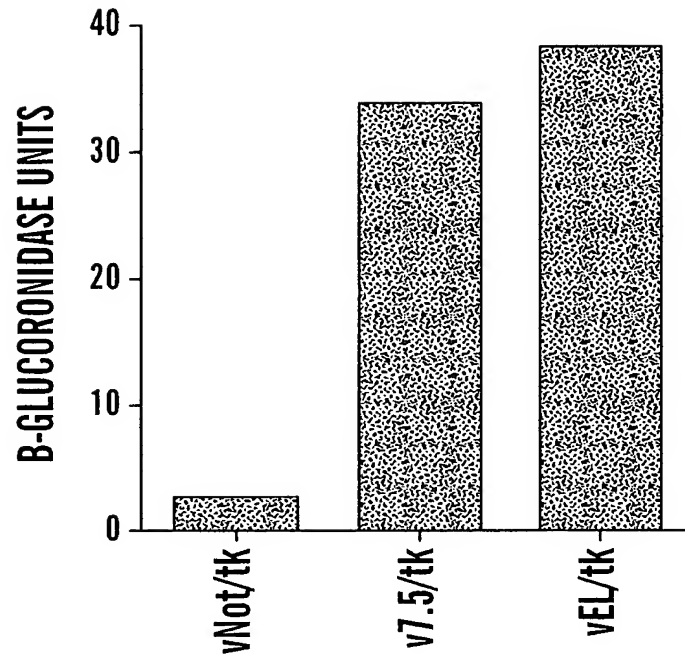


FIG. 13



	125mM	125mM	
HAT	BuDR	BuDR	NO DRUG

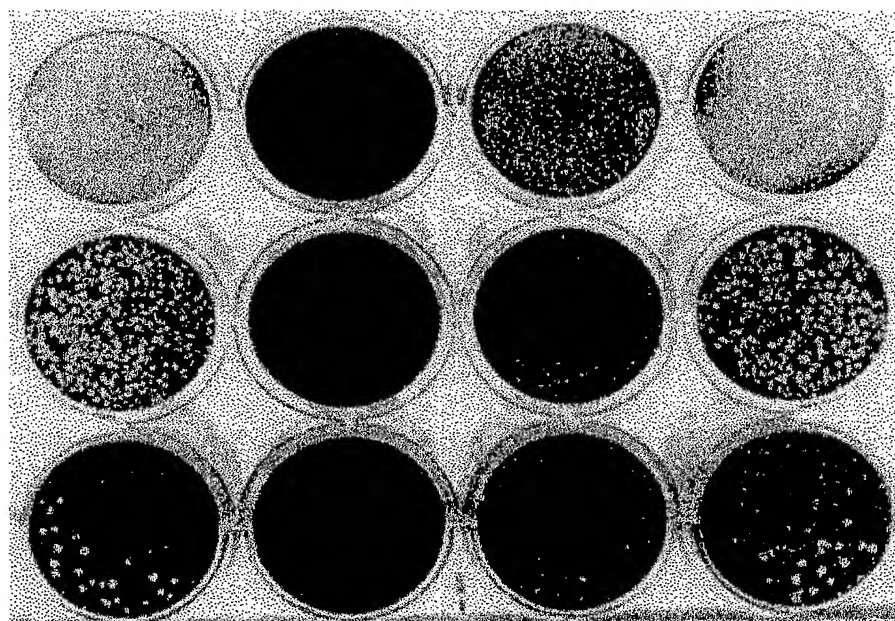


FIG. 14